

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142382.D
 Acq On : 14 May 2025 23:00
 Operator : RC/JU
 Sample : Q2005-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 252806

Quant Time: May 15 01:05:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

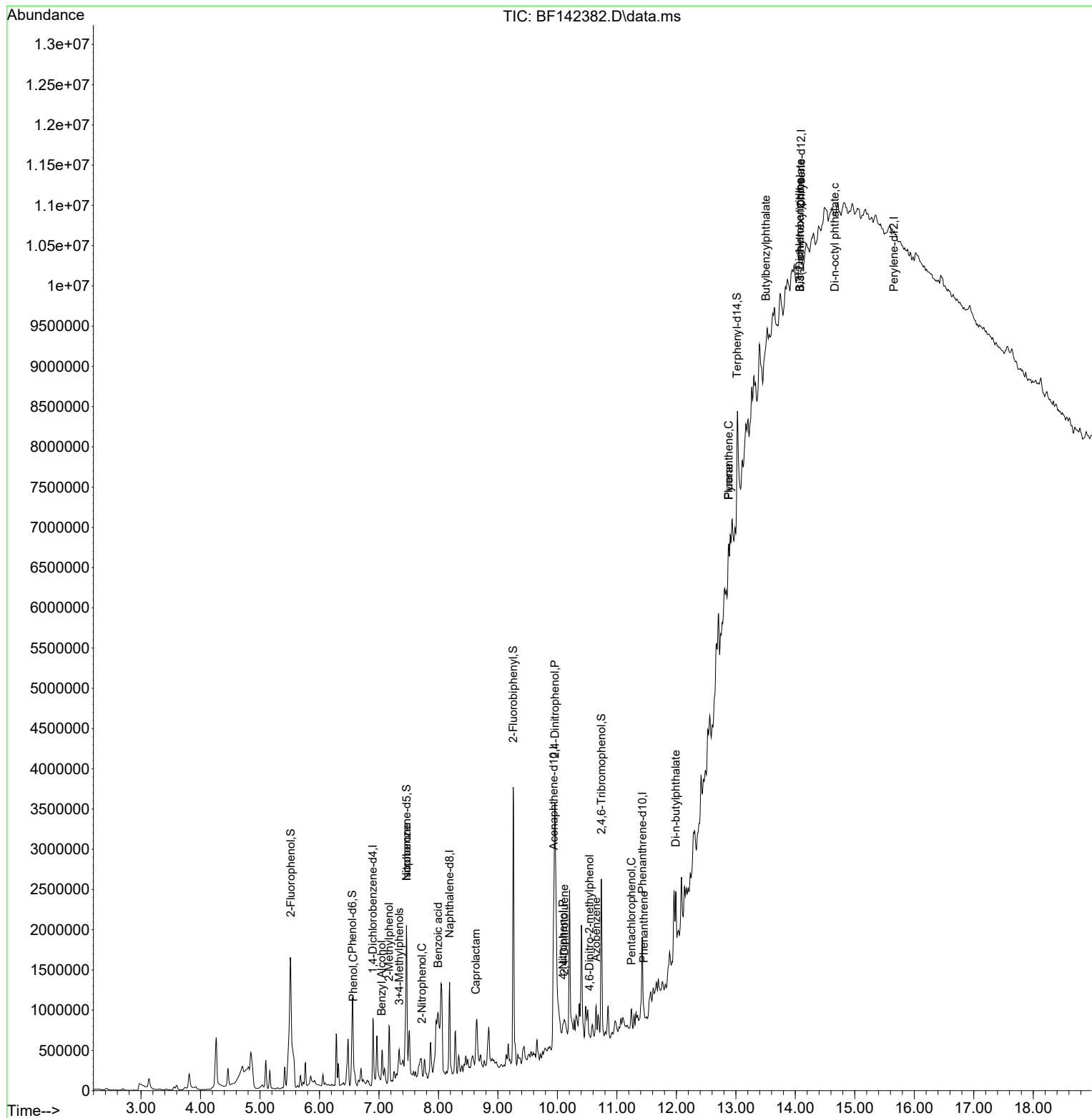
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	166224	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	626301	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	302822	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	503983	20.000	ng	0.00
76) Chrysene-d12	14.098	240	143368	20.000	ng	# 0.03
86) Perylene-d12	15.657	264	133366	20.000	ng	# 0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	732163	75.191	ng	0.00
7) Phenol-d6	6.551	99	678904	56.688	ng	0.03
23) Nitrobenzene-d5	7.463	82	797542	77.662	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	370437	126.702	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1559876	73.449	ng	0.00
79) Terphenyl-d14	13.022	244	866079	89.412	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.569	94	64097	5.049	ng	# 71
15) Benzyl Alcohol	7.045	79	27409	3.534	ng	98
17) 2-Methylphenol	7.169	107	157636	18.712	ng	99
20) 3+4-Methylphenols	7.340	107	88826	8.448	ng	# 77
25) Isophorone	7.463	82	790981	40.675	ng	# 62
26) 2-Nitrophenol	7.722	139	408	4.167	ng	# 1
32) Benzoic acid	7.992	122	47260	14.930	ng	# 22
35) Caprolactam	8.628	113	23999	9.906	ng	# 41
54) 2,4-Dinitrophenol	9.957	184	1126	8.197	ng	# 69
56) 4-Nitrophenol	10.092	139	34345	10.690	ng	94
57) 2,4-Dinitrotoluene	10.116	165	16793	3.597	ng	# 92
63) Azobenzene	10.651	77	104287	5.620	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.539	198	1136	7.596	ng	# 1
70) Pentachlorophenol	11.245	266	38380	11.612	ng	98
71) Phenanthrene	11.451	178	105805	4.005	ng	# 95
74) Di-n-butylphthalate	11.992	149	584642	22.831	ng	98
75) Fluoranthene	12.880	202	108072	4.092	ng	71
78) Pyrene	12.880	202	108210	8.480	ng	# 79
80) Butylbenzylphthalate	13.504	149	12487	6.757	ng	98
82) 3,3'-Dichlorobenzidine	14.074	252	5783	2.678	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.080	149	369616	73.722	ng	# 90
85) Di-n-octyl phthalate	14.663	149	12750	9.060	ng	# 60

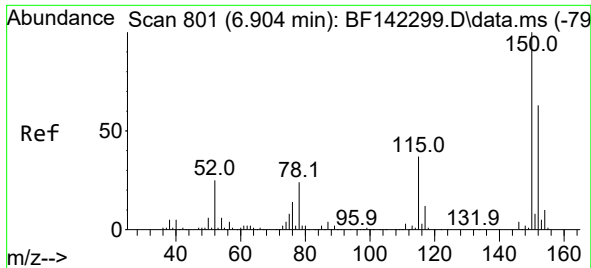
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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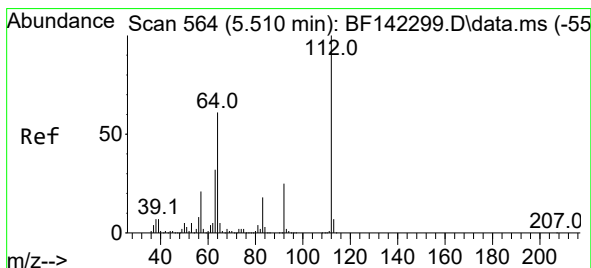
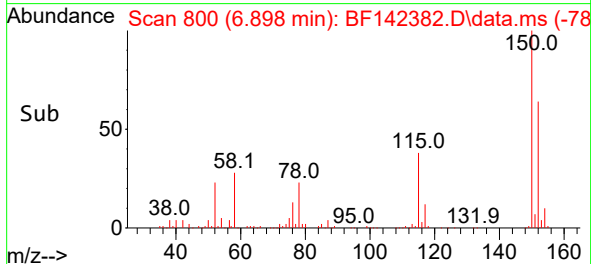
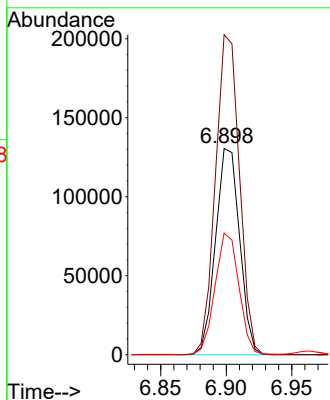
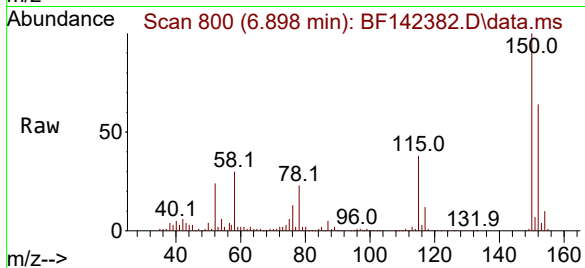




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

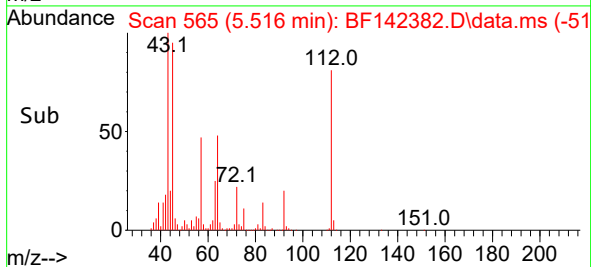
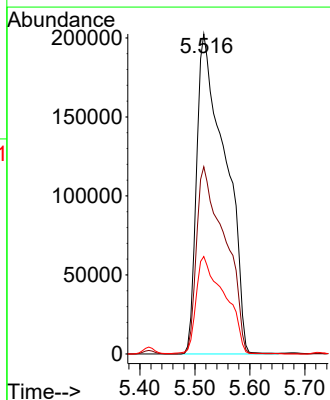
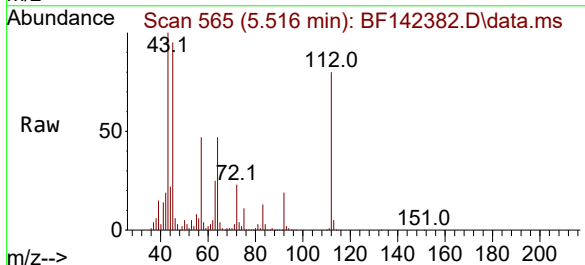
Instrument :
BNA_F
ClientSampleId :
252806

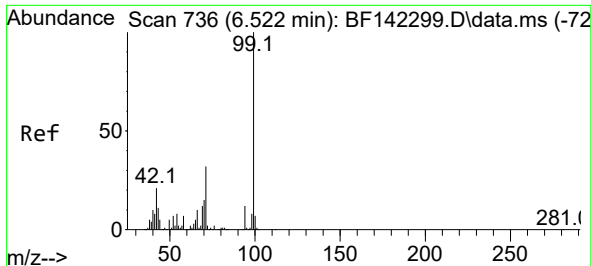
Tgt Ion:152 Resp: 166224
Ion Ratio Lower Upper
152 100
150 155.2 126.6 190.0
115 59.0 47.3 70.9



#5
2-Fluorophenol
Concen: 75.191 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion:112 Resp: 732163
Ion Ratio Lower Upper
112 100
64 58.5 48.9 73.3
63 30.5 25.6 38.4

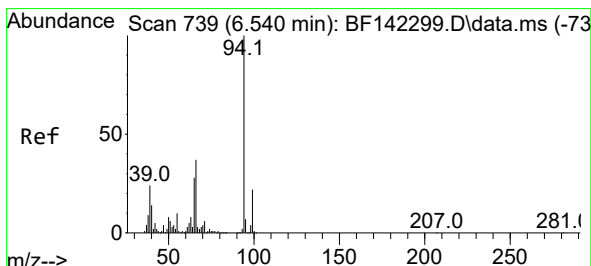
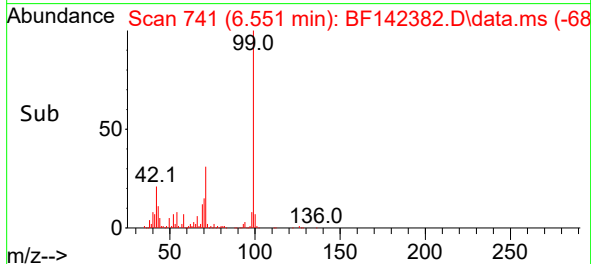
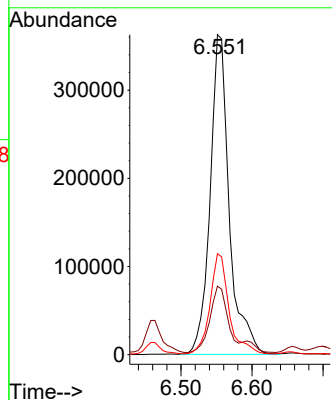
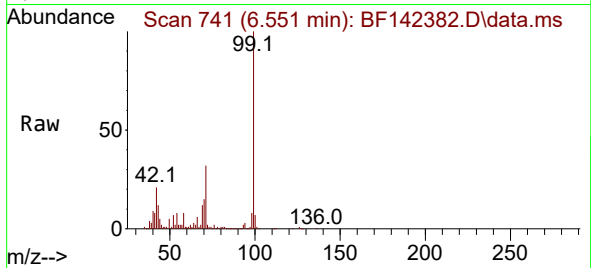




#7
Phenol-d6
Concen: 56.688 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.029 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

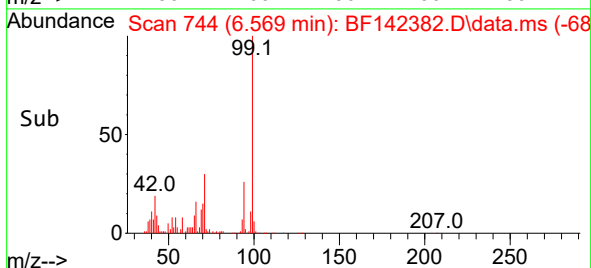
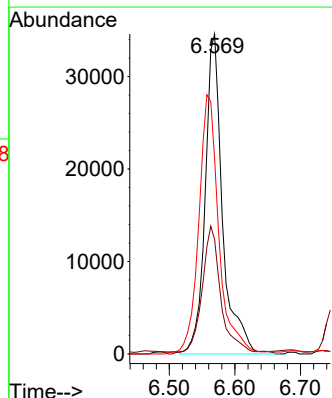
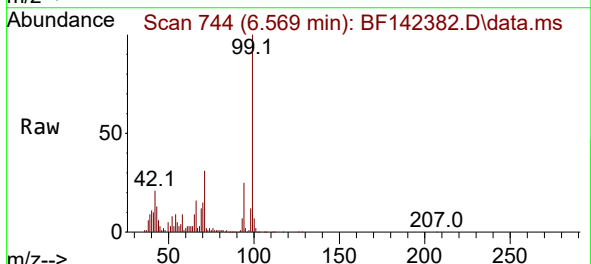
Instrument :
BNA_F
ClientSampleId :
252806

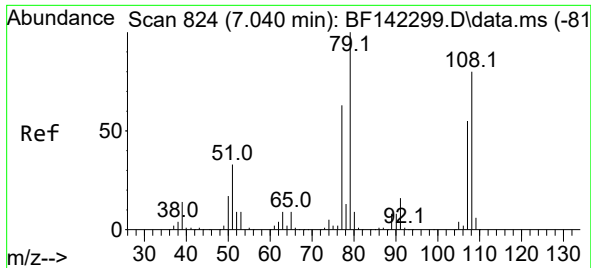
Tgt Ion: 99 Resp: 678904
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.4
71 31.5 25.8 38.8



#10
Phenol
Concen: 5.049 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.029 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion: 94 Resp: 64097
Ion Ratio Lower Upper
94 100
65 35.8 8.5 48.5
66 61.1 17.3 57.3

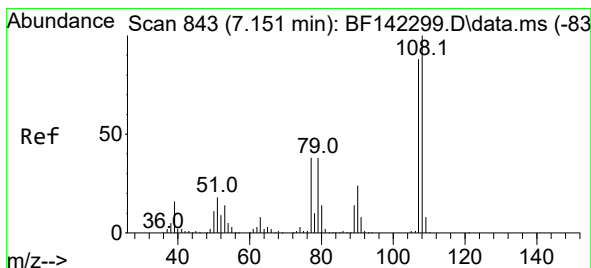
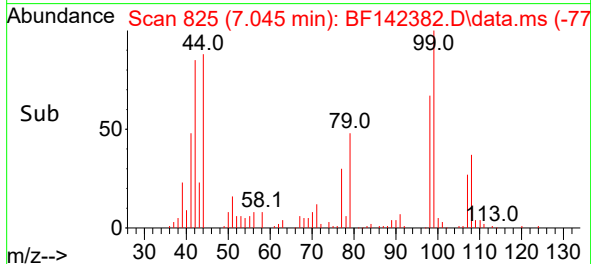
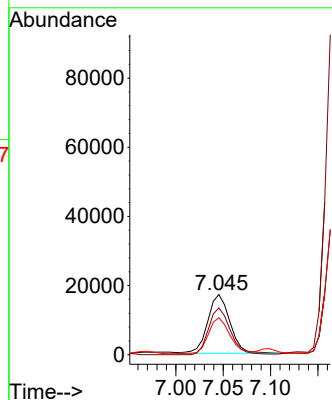
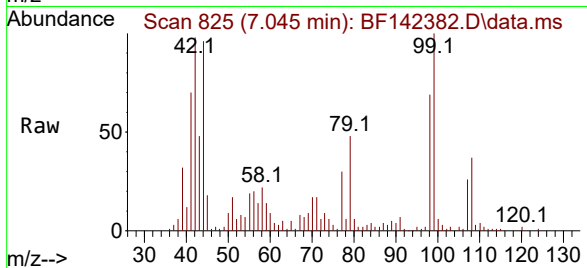




#15
Benzyl Alcohol
Concen: 3.534 ng
RT: 7.045 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

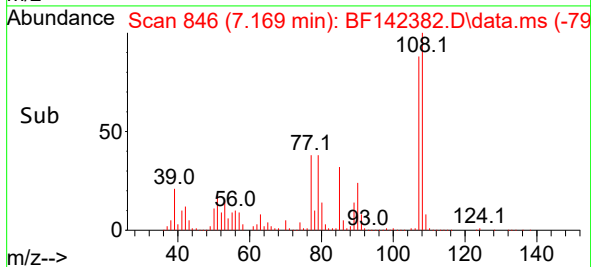
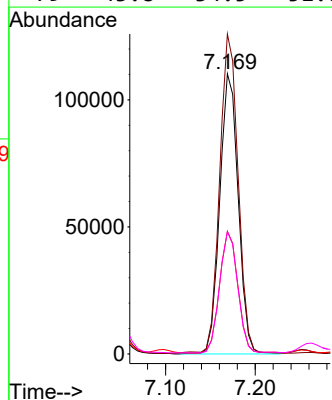
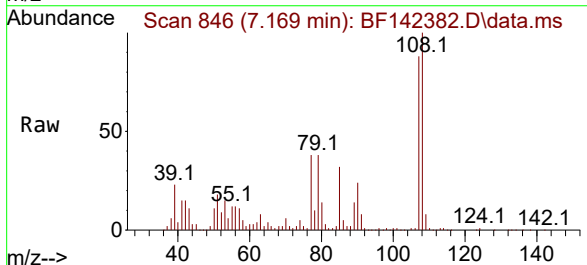
Instrument :
BNA_F
ClientSampleId :
252806

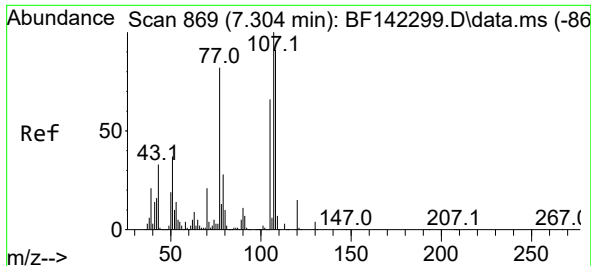
Tgt Ion: 79 Resp: 27409
Ion Ratio Lower Upper
79 100
108 77.9 63.9 95.9
77 61.5 50.7 76.1



#17
2-Methylphenol
Concen: 18.712 ng
RT: 7.169 min Scan# 846
Delta R.T. 0.018 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion: 107 Resp: 157636
Ion Ratio Lower Upper
107 100
108 114.2 91.1 136.7
77 43.7 34.7 52.1
79 43.8 34.5 51.7





#20

3+4-Methylphenols

Concen: 8.448 ng

RT: 7.340 min Scan# 81

Delta R.T. 0.035 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

Tgt Ion:107 Resp: 88826

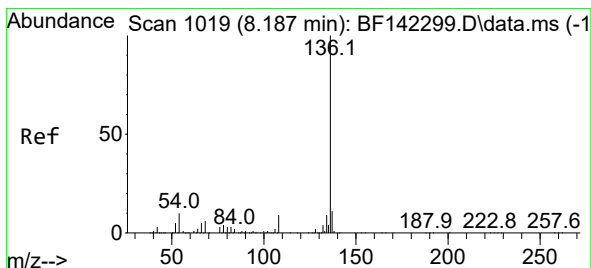
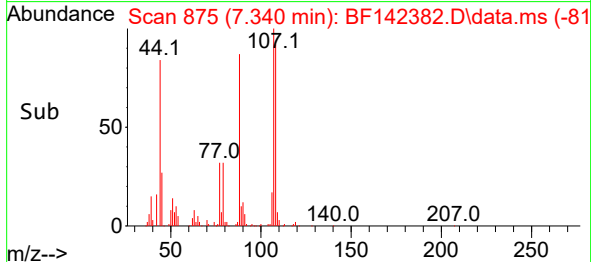
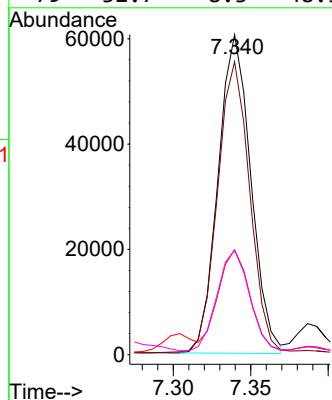
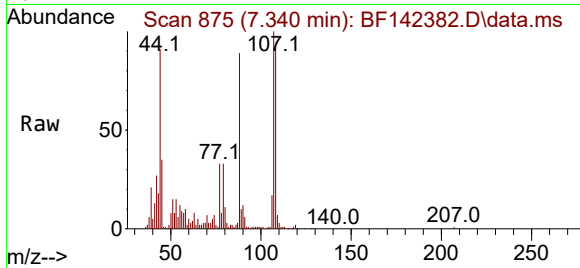
Ion Ratio Lower Upper

107 100

108 91.5 71.5 111.5

77 32.8 61.6 101.6#

79 32.7 8.3 48.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Tgt Ion:136 Resp: 626301

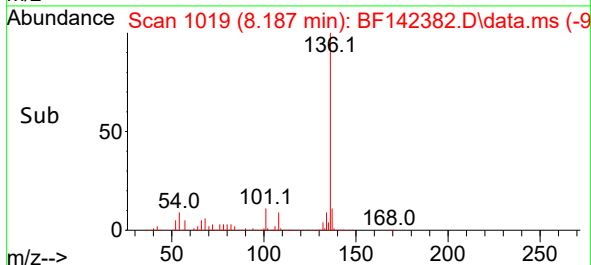
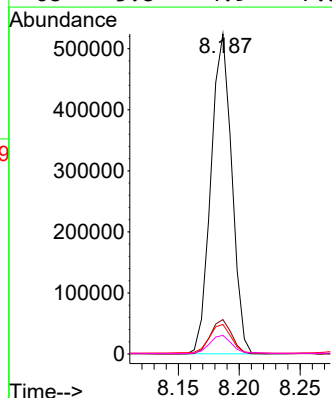
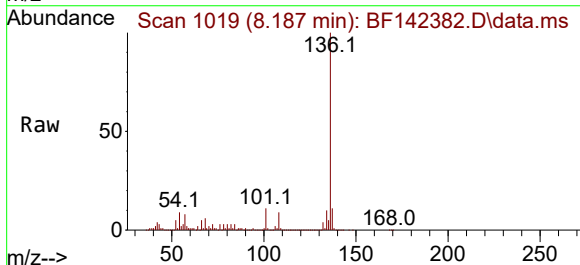
Ion Ratio Lower Upper

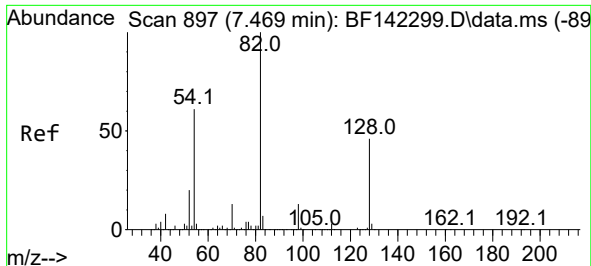
136 100

137 10.8 8.9 13.3

54 9.2 7.7 11.5

68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 77.662 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

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252806

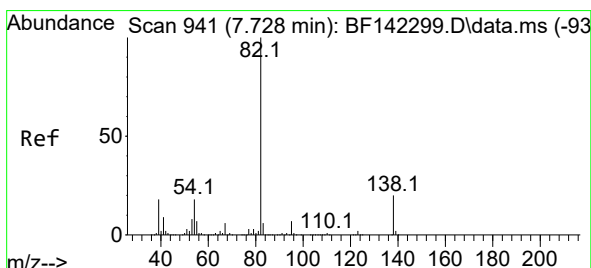
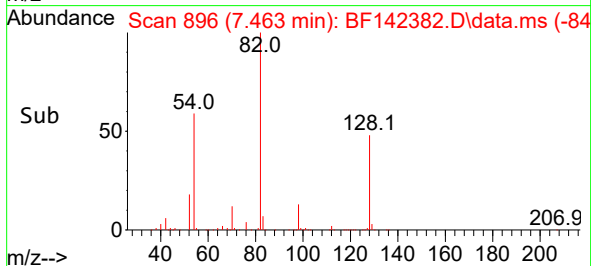
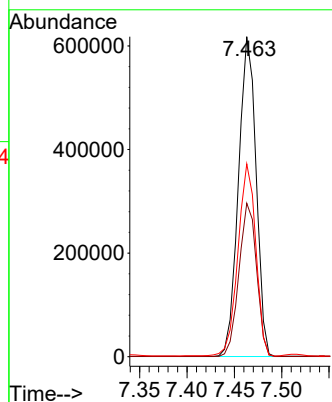
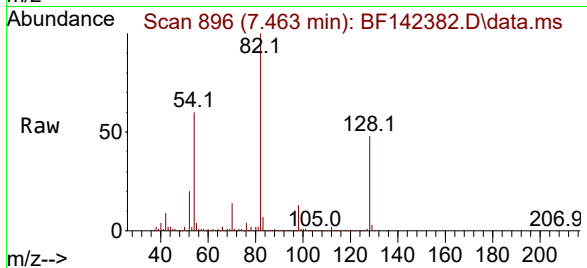
Tgt Ion: 82 Resp: 797542

Ion Ratio Lower Upper

82 100

128 47.9 37.0 55.6

54 60.3 48.6 73.0



#25

Isophorone

Concen: 40.675 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.265 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

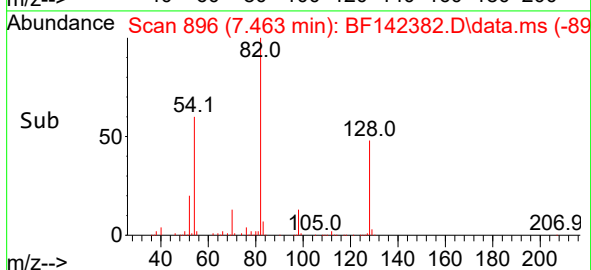
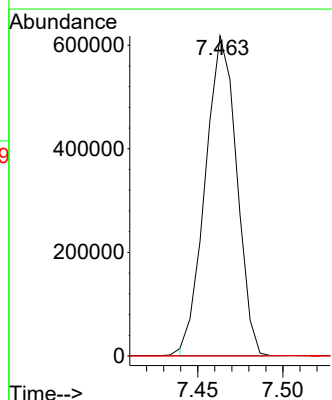
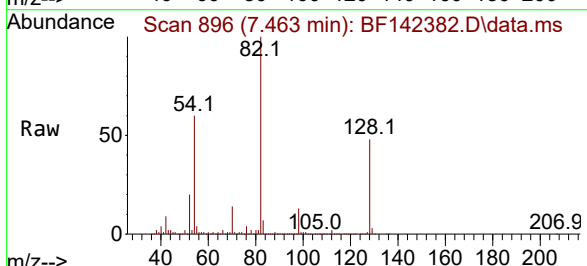
Tgt Ion: 82 Resp: 790981

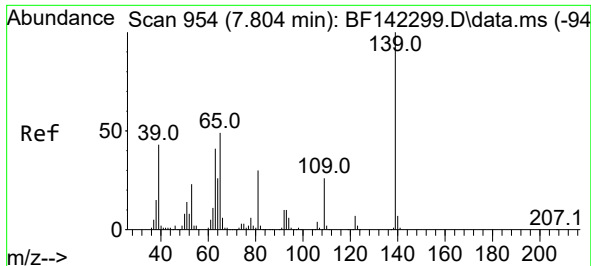
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

138 0.0 16.1 24.1#

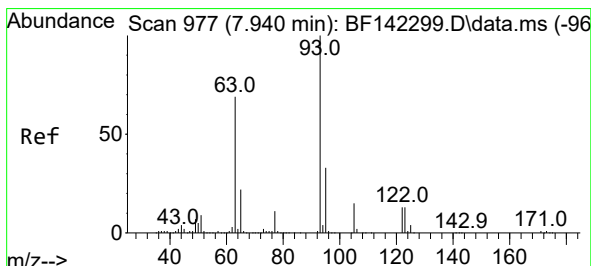
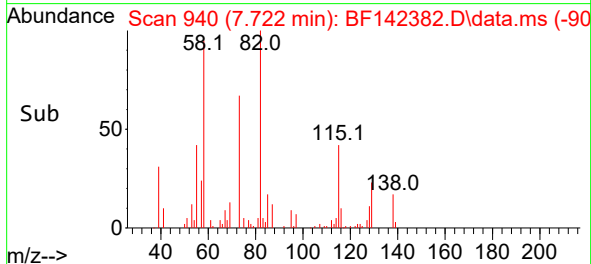
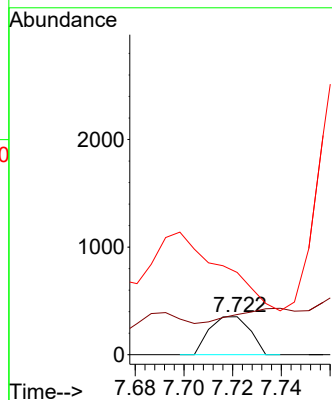
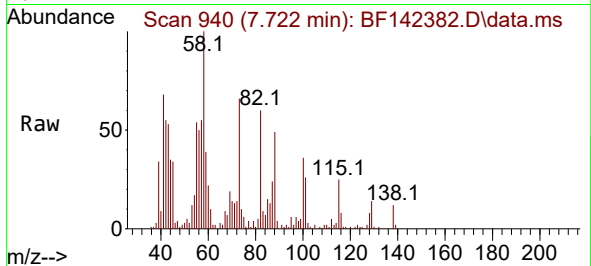




#26
2-Nitrophenol
Concen: 4.167 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.082 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

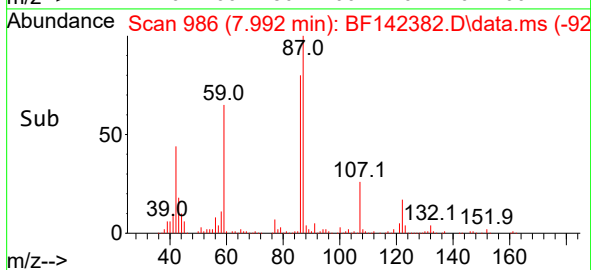
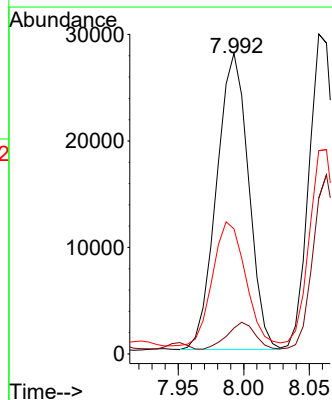
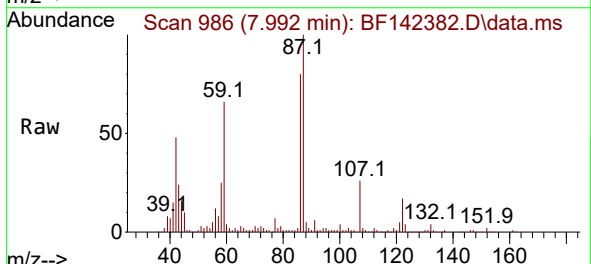
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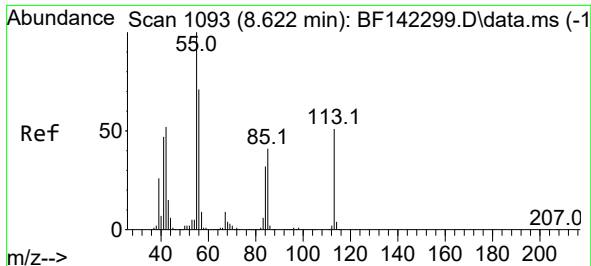
Tgt Ion:139 Resp: 408
Ion Ratio Lower Upper
139 100
109 106.3 20.8 31.2#
65 217.0 38.9 58.3#



#32
Benzoic acid
Concen: 14.930 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.052 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion:122 Resp: 47260
Ion Ratio Lower Upper
122 100
105 8.6 97.9 137.9#
77 41.6 67.7 107.7#

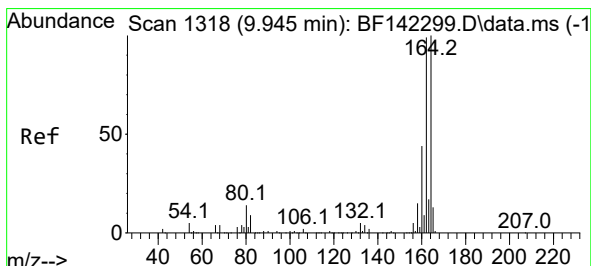
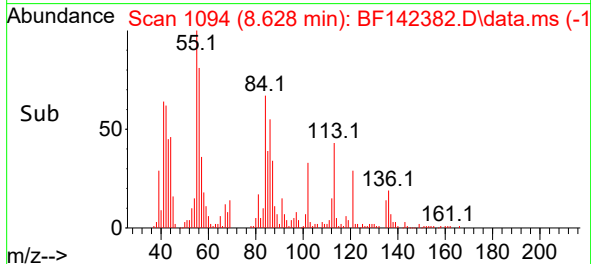
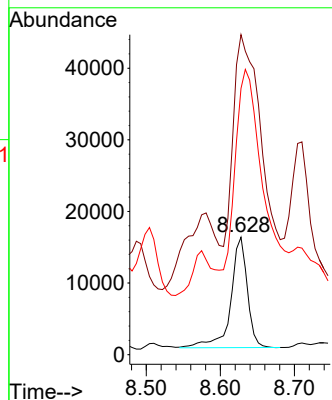
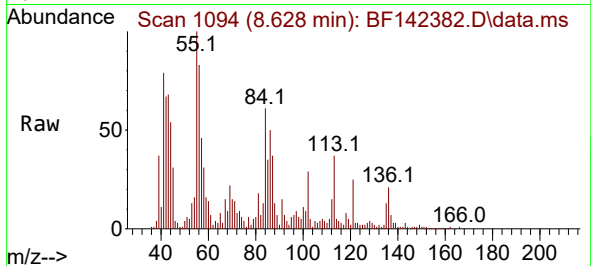




#35
 Caprolactam
 Concen: 9.906 ng
 RT: 8.628 min Scan# 1093
 Delta R.T. 0.006 min
 Lab File: BF142382.D
 Acq: 14 May 2025 23:00

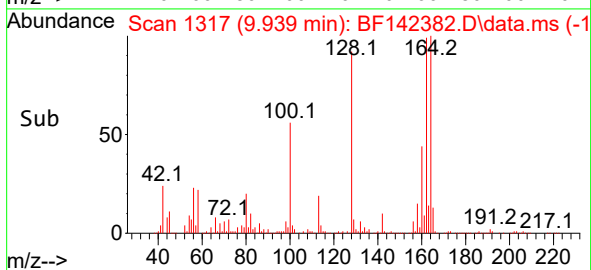
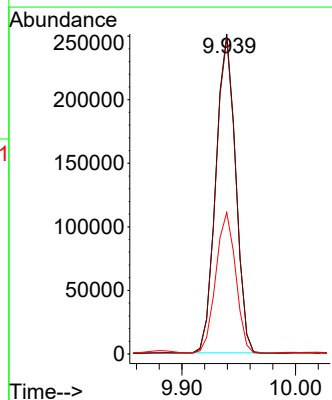
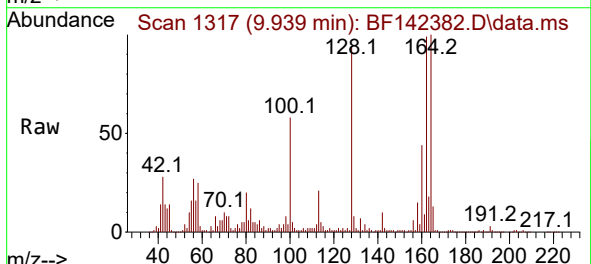
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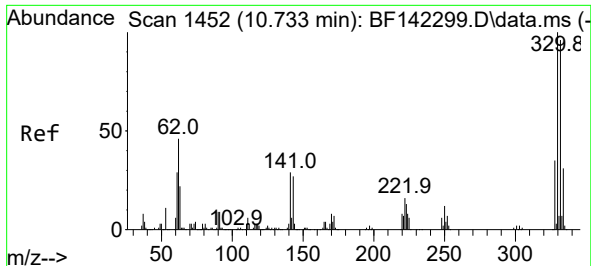
Tgt Ion:113 Resp: 23999
 Ion Ratio Lower Upper
 113 100
 55 272.3 176.4 216.4#
 56 226.5 120.3 160.3#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.939 min Scan# 1317
 Delta R.T. -0.006 min
 Lab File: BF142382.D
 Acq: 14 May 2025 23:00

Tgt Ion:164 Resp: 302822
 Ion Ratio Lower Upper
 164 100
 162 98.7 79.2 118.8
 160 44.2 35.3 52.9

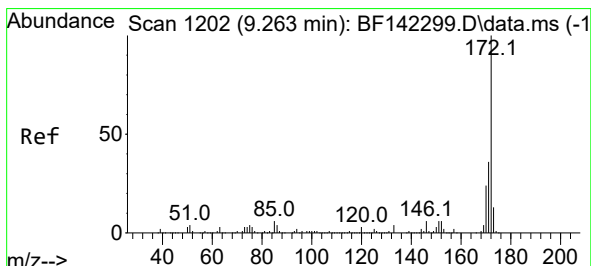
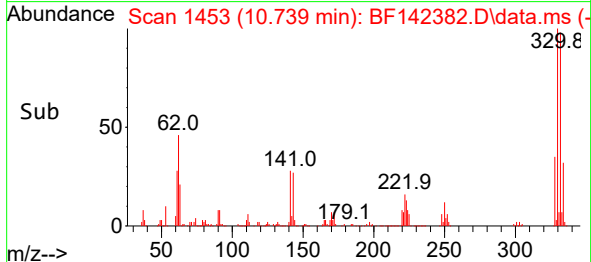
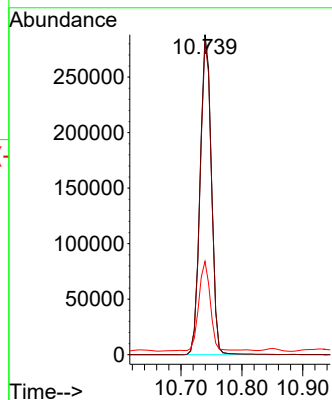
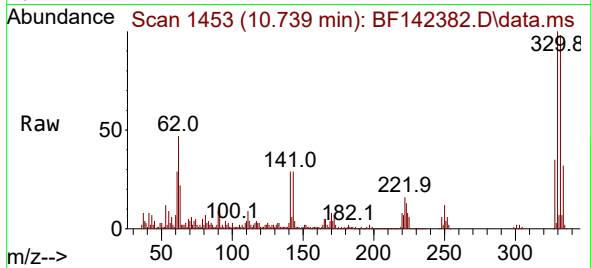




#42
2,4,6-Tribromophenol
Concen: 126.702 ng
RT: 10.739 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

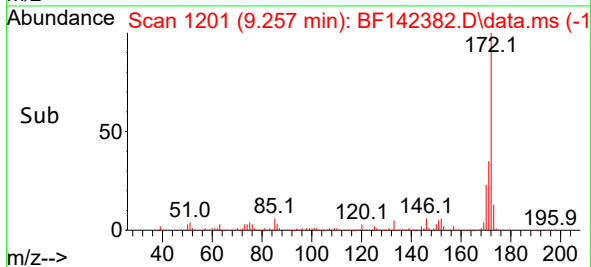
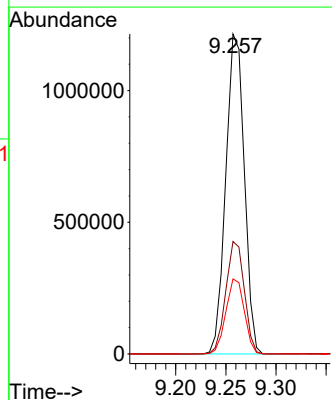
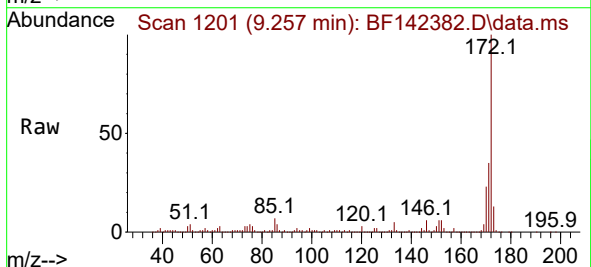
Instrument :
BNA_F
ClientSampleId :
252806

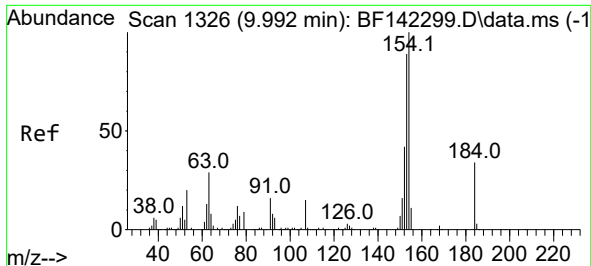
Tgt Ion: 330 Resp: 370437
Ion Ratio Lower Upper
330 100
332 98.0 76.8 115.2
141 29.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 73.449 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion: 172 Resp: 1559876
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.5 19.0 28.4

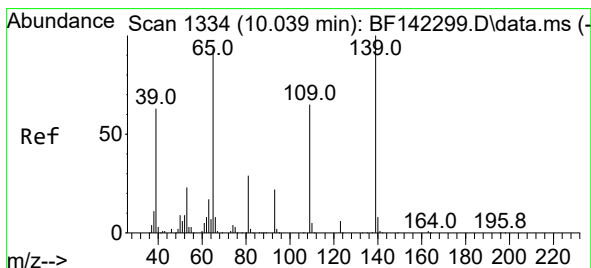
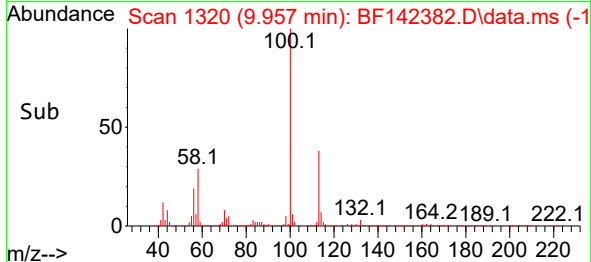
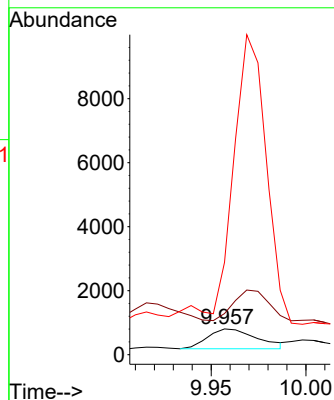
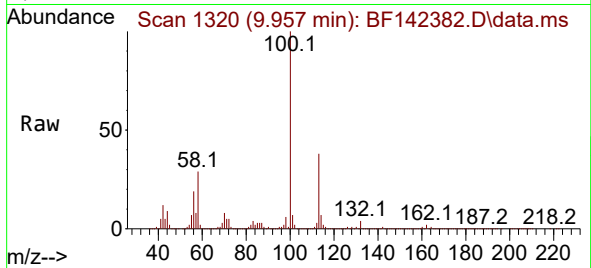




#54
2,4-Dinitrophenol
Concen: 8.197 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

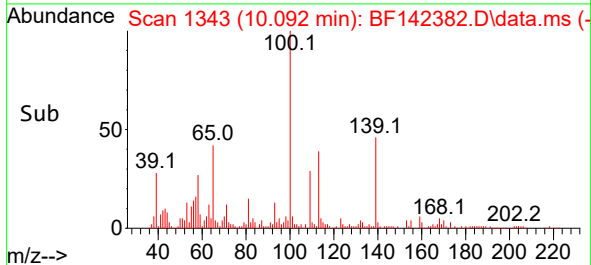
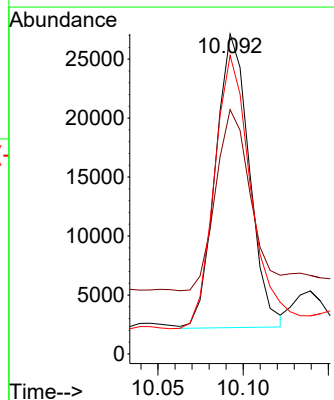
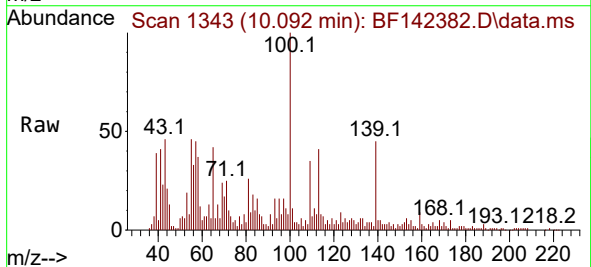
Instrument :
BNA_F
ClientSampleId :
252806

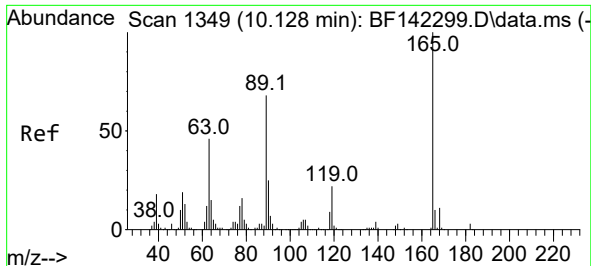
Tgt Ion:184 Resp: 1126
Ion Ratio Lower Upper
184 100
63 159.9 70.6 105.8#
154 358.6 257.2 385.8



#56
4-Nitrophenol
Concen: 10.690 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.053 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion:139 Resp: 34345
Ion Ratio Lower Upper
139 100
109 76.3 45.3 85.3
65 93.3 73.9 113.9

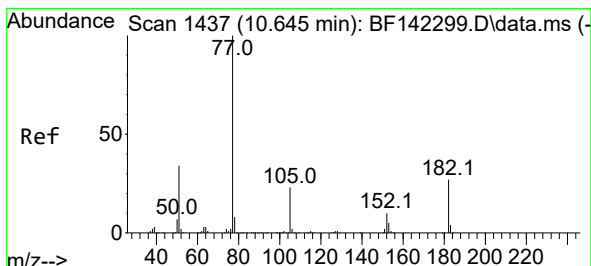
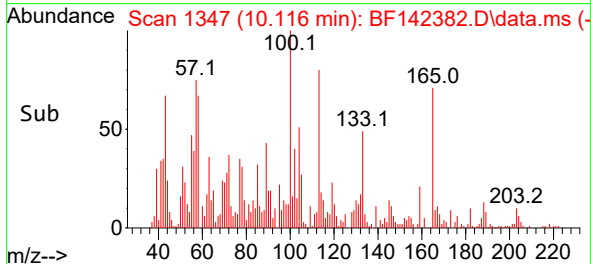
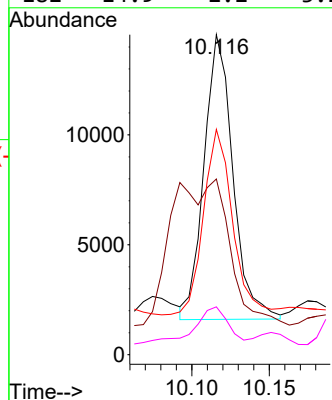
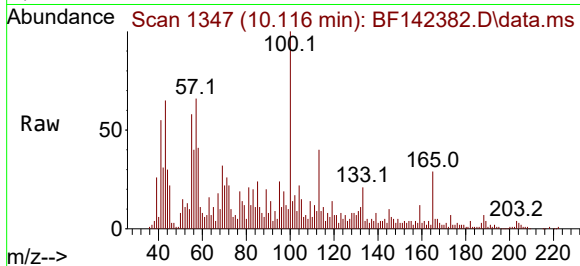




#57
2,4-Dinitrotoluene
Concen: 3.597 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

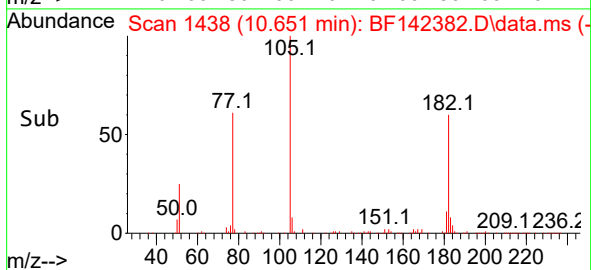
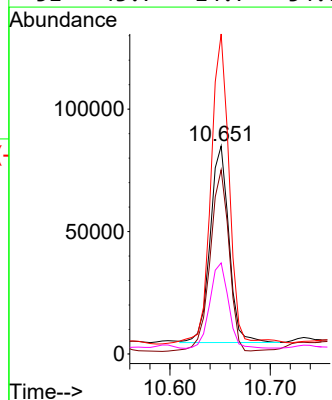
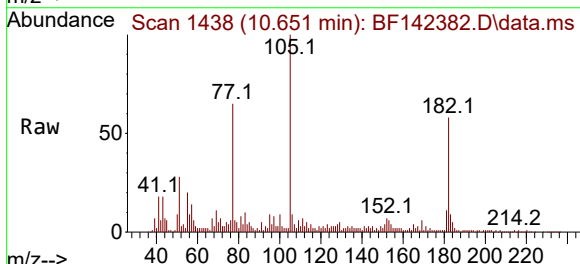
Instrument :
BNA_F
ClientSampleId :
252806

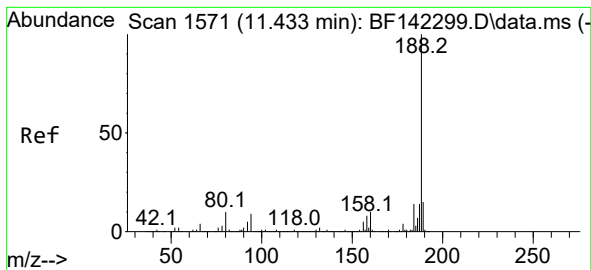
Tgt Ion:165 Resp: 16793
Ion Ratio Lower Upper
165 100
63 54.9 37.1 55.7
89 70.4 54.4 81.6
182 14.9 2.2 3.2#



#63
Azobenzene
Concen: 5.620 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion: 77 Resp: 104287
Ion Ratio Lower Upper
77 100
182 88.5 6.9 46.9#
105 153.9 2.7 42.7#
51 43.7 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

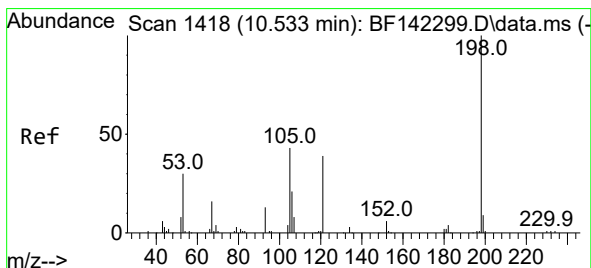
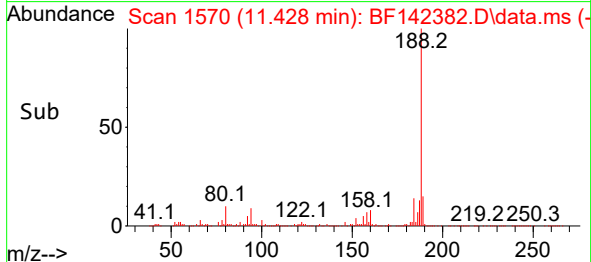
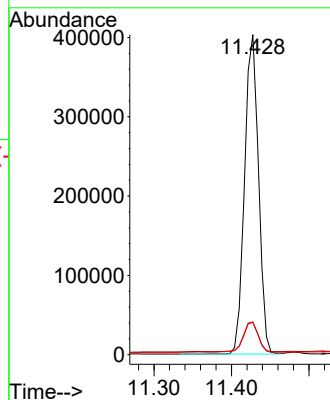
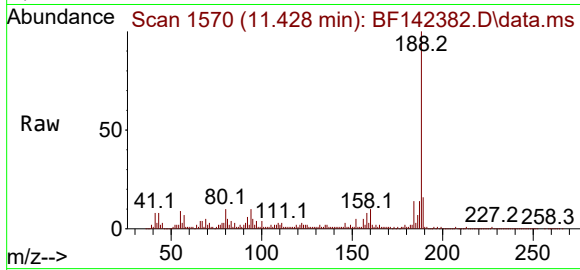
Tgt Ion:188 Resp: 503983

Ion Ratio Lower Upper

188 100

94 10.2 7.5 11.3

80 10.2 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.596 ng

RT: 10.539 min Scan# 1419

Delta R.T. 0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

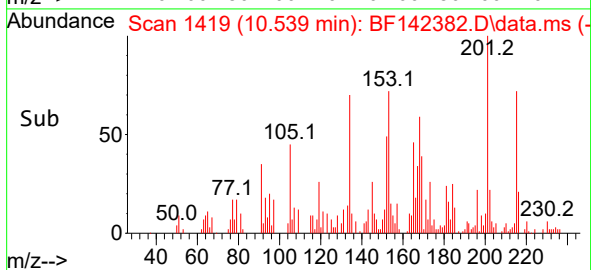
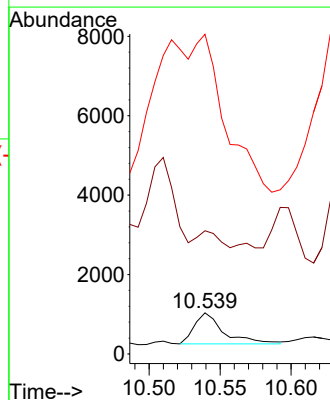
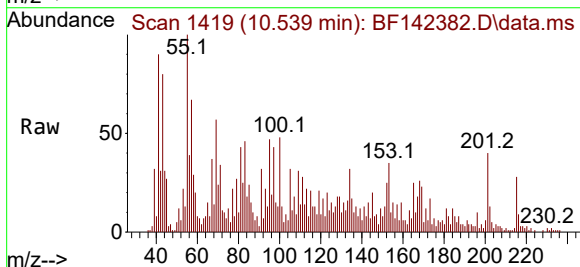
Tgt Ion:198 Resp: 1136

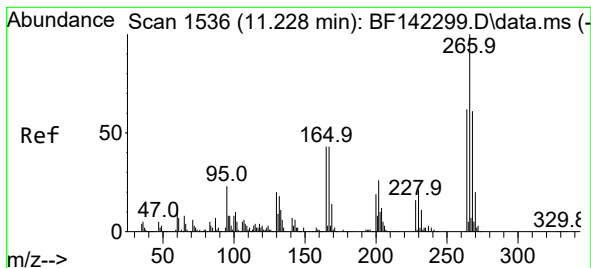
Ion Ratio Lower Upper

198 100

51 300.0 32.9 72.9#

105 778.8 23.7 63.7#





#70

Pentachlorophenol

Concen: 11.612 ng

RT: 11.245 min Scan# 1539

Delta R.T. 0.018 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

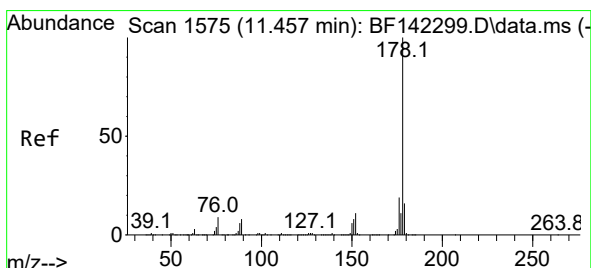
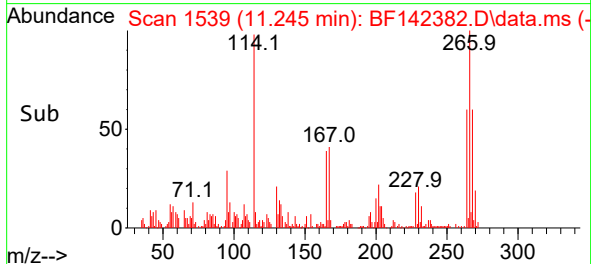
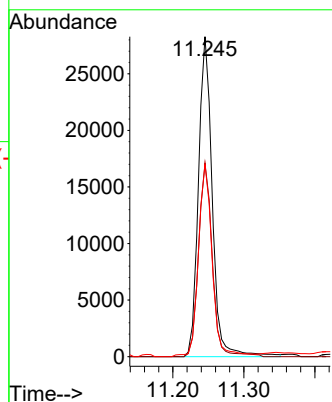
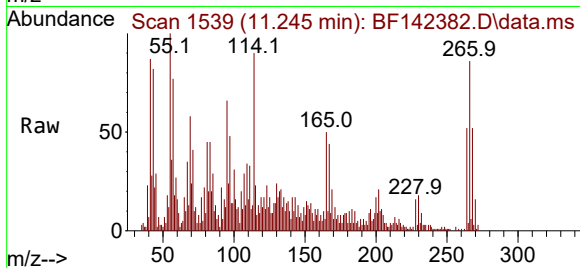
Tgt Ion:266 Resp: 38380

Ion Ratio Lower Upper

266 100

268 60.5 48.7 73.1

264 60.2 49.8 74.6



#71

Phenanthrene

Concen: 4.005 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

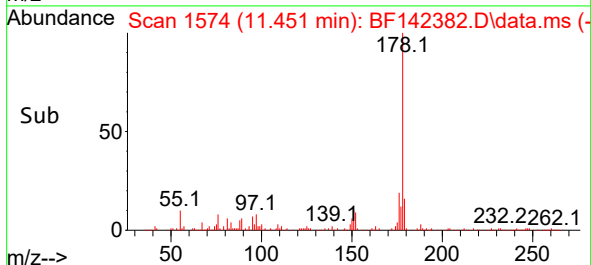
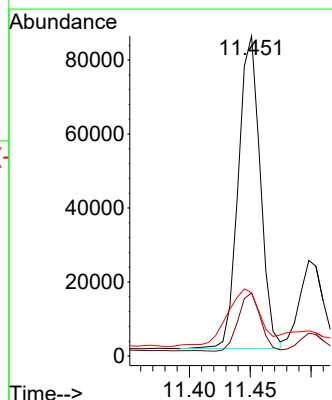
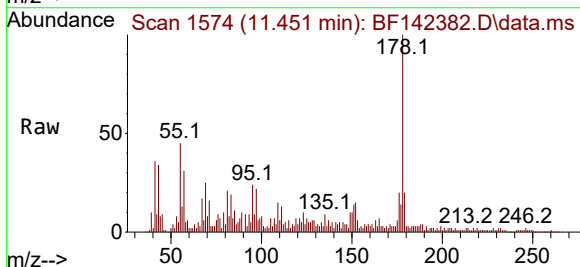
Tgt Ion:178 Resp: 105805

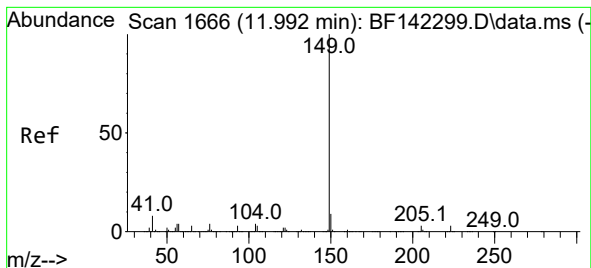
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 19.8 12.6 18.8#





#74

Di-n-butylphthalate

Concen: 22.831 ng

RT: 11.992 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

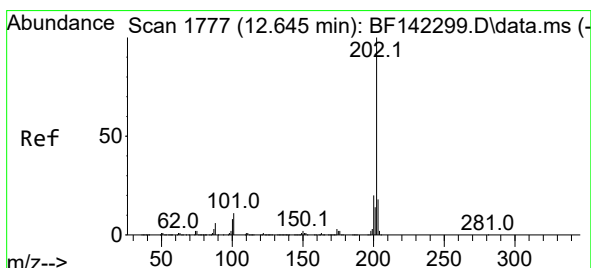
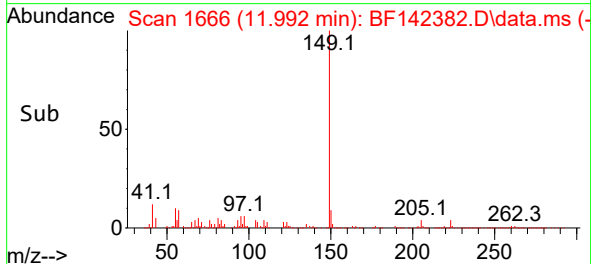
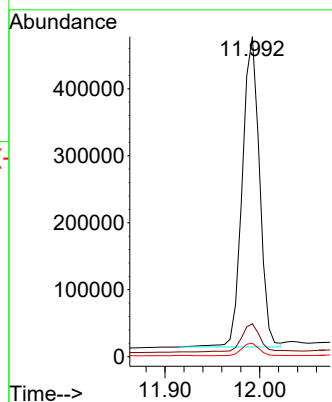
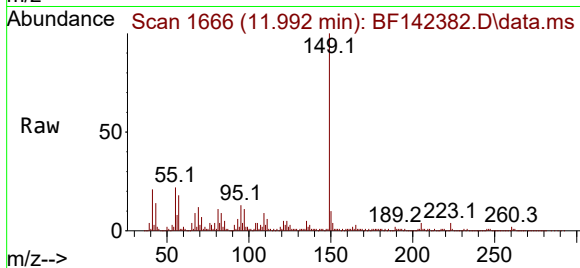
Tgt Ion:149 Resp: 584642

Ion Ratio Lower Upper

149 100

150 10.3 7.5 11.3

104 4.2 3.6 5.4



#75

Fluoranthene

Concen: 4.092 ng

RT: 12.880 min Scan# 1817

Delta R.T. 0.235 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

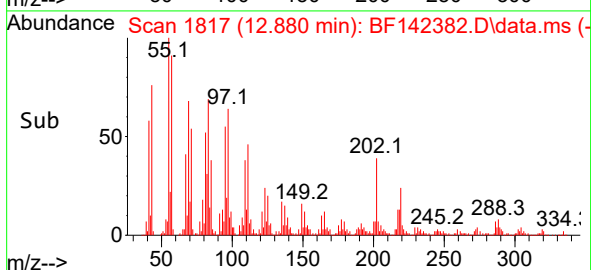
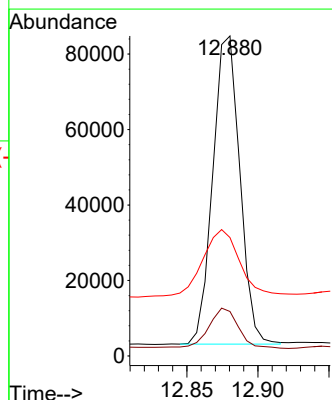
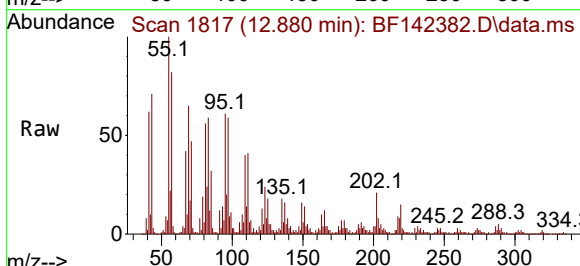
Tgt Ion:202 Resp: 108072

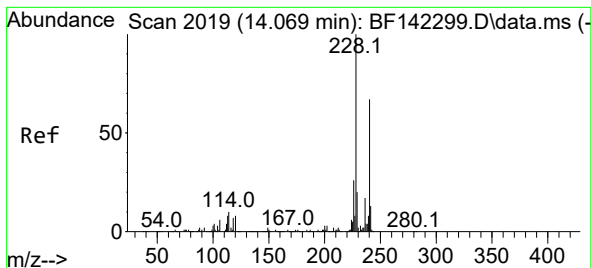
Ion Ratio Lower Upper

202 100

101 13.9 0.0 31.4

203 37.0 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

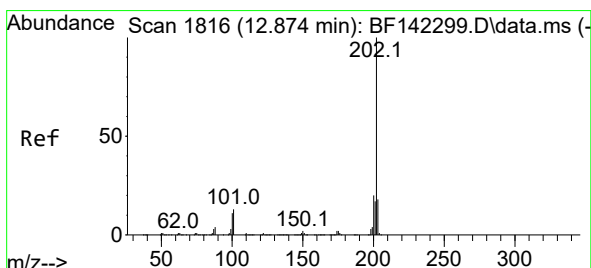
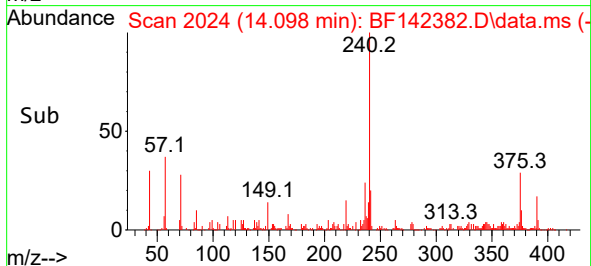
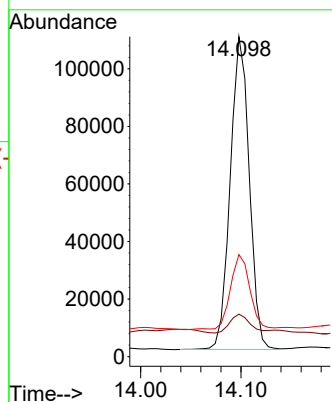
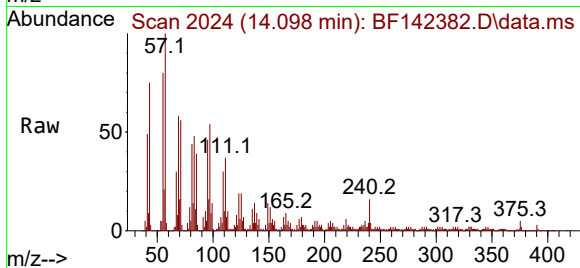
Tgt Ion:240 Resp: 143368

Ion Ratio Lower Upper

240 100

120 13.3 9.7 14.5

236 31.9 20.0 30.0#



#78

Pyrene

Concen: 8.480 ng

RT: 12.880 min Scan# 1817

Delta R.T. 0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

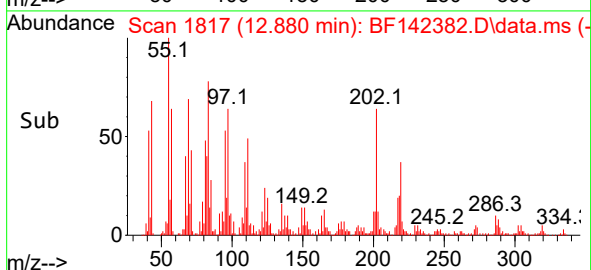
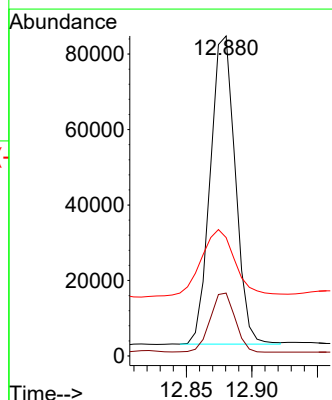
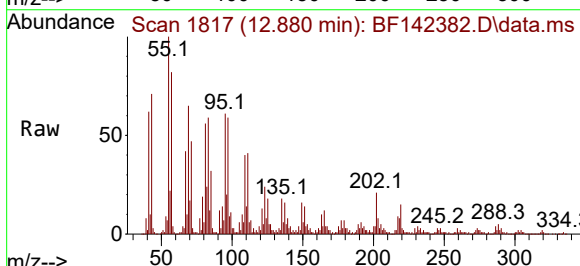
Tgt Ion:202 Resp: 108210

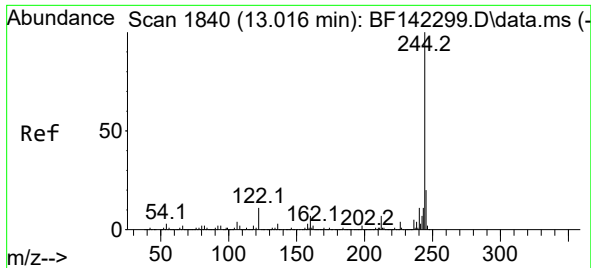
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.4

203 37.0 14.3 21.5#

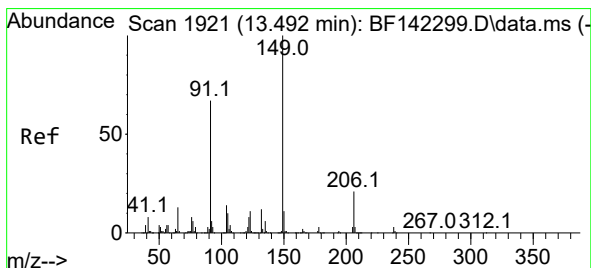
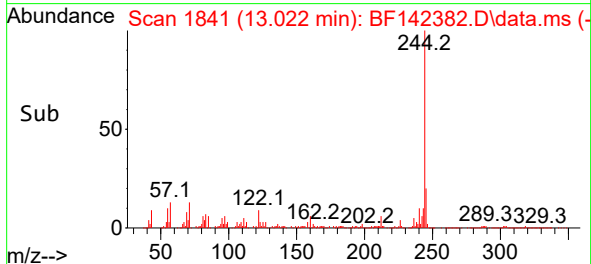
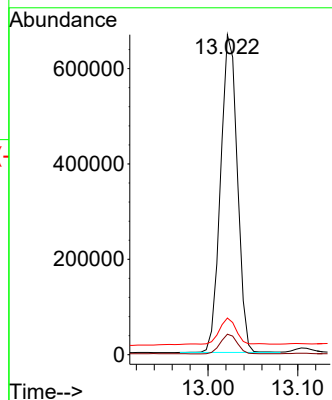
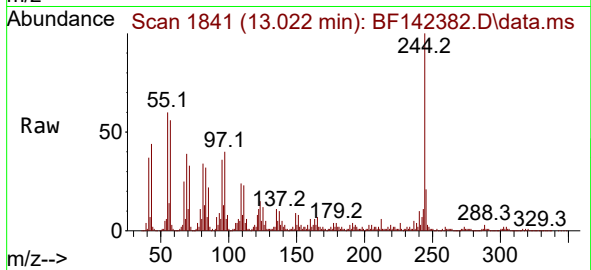




#79
 Terphenyl-d14
 Concen: 89.412 ng
 RT: 13.022 min Scan# 1841
 Delta R.T. 0.006 min
 Lab File: BF142382.D
 Acq: 14 May 2025 23:00

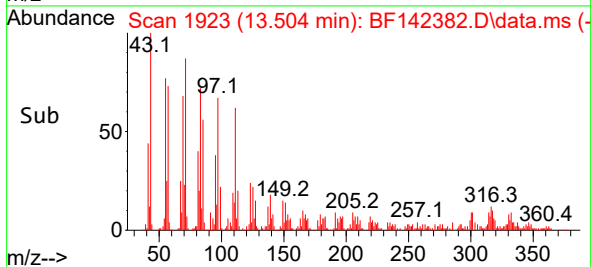
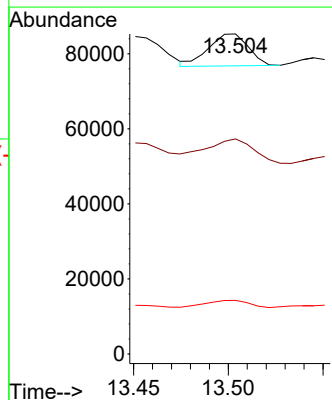
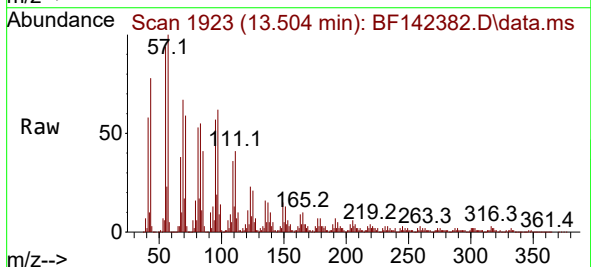
Instrument :
 BNA_F
 ClientSampleId :
 252806

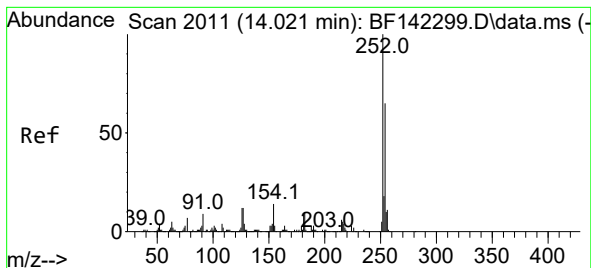
Tgt Ion:244 Resp: 866079
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 11.4 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 6.757 ng
 RT: 13.504 min Scan# 1923
 Delta R.T. 0.012 min
 Lab File: BF142382.D
 Acq: 14 May 2025 23:00

Tgt Ion:149 Resp: 12487
 Ion Ratio Lower Upper
 149 100
 91 67.2 53.8 80.6
 206 16.8 16.6 24.8





#82

3,3'-Dichlorobenzidine

Concen: 2.678 ng

RT: 14.074 min Scan# 20

Delta R.T. 0.053 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

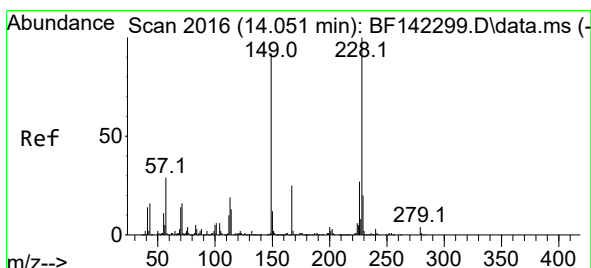
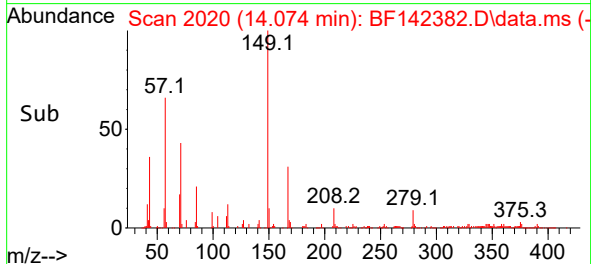
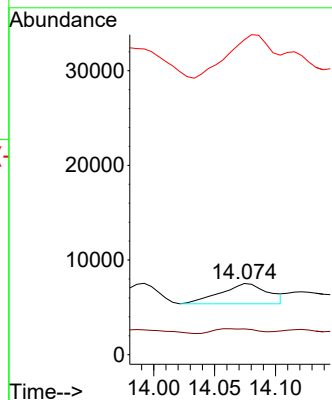
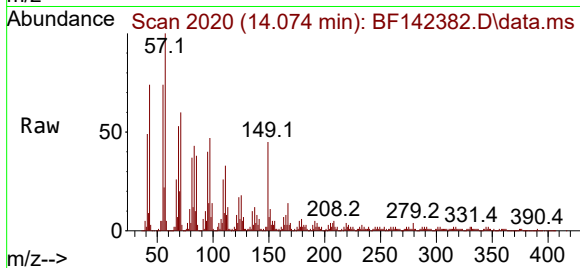
Tgt Ion:252 Resp: 5783

Ion Ratio Lower Upper

252 100

254 36.1 52.0 78.0#

126 442.6 9.7 14.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 73.722 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.029 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

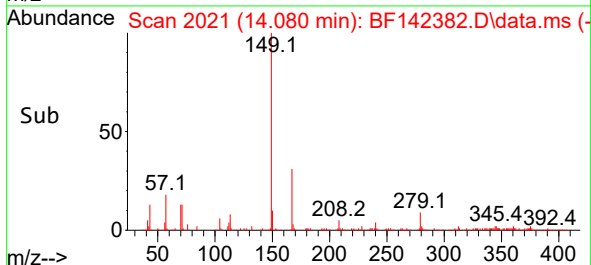
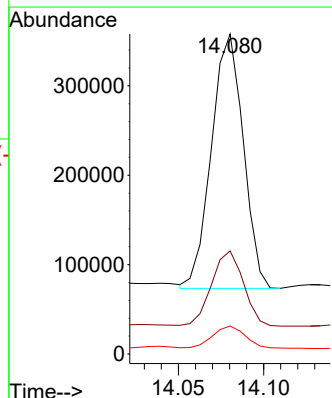
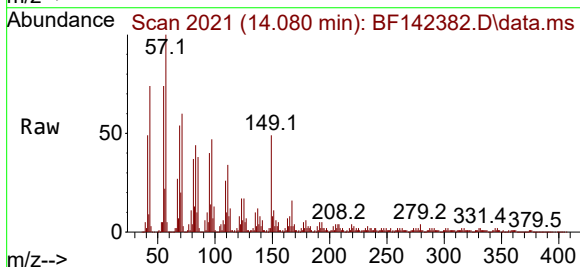
Tgt Ion:149 Resp: 369616

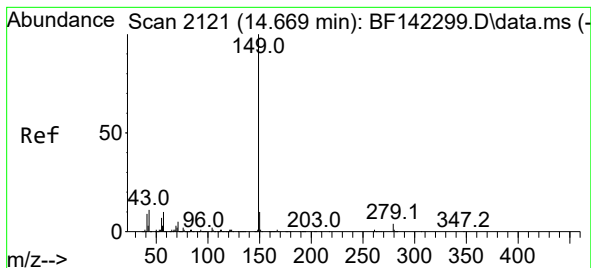
Ion Ratio Lower Upper

149 100

167 32.2 22.0 33.0

279 8.8 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 9.060 ng

RT: 14.663 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

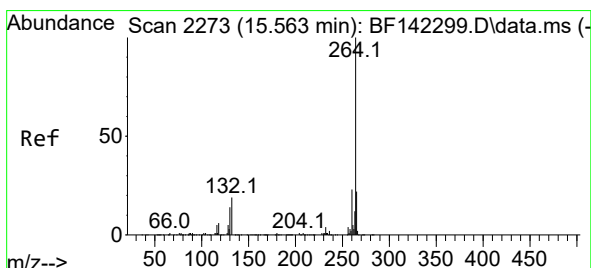
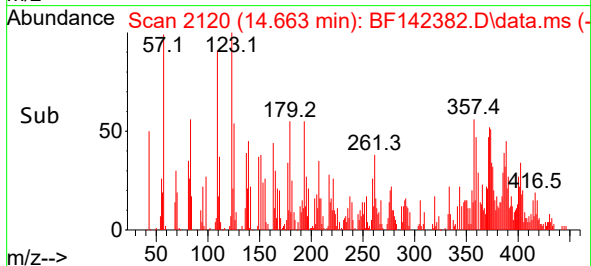
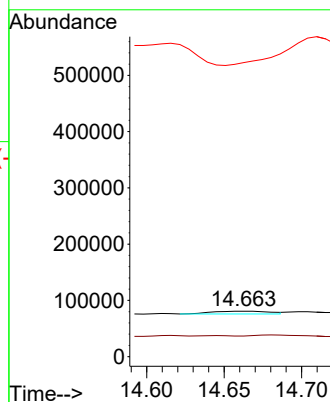
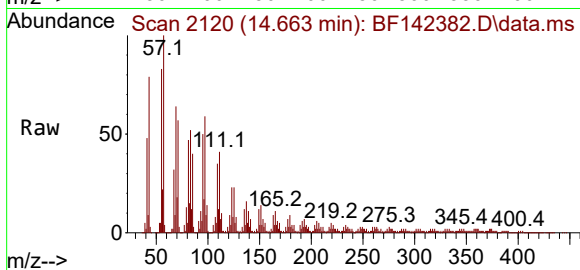
Tgt Ion:149 Resp: 12750

Ion Ratio Lower Upper

149 100

167 49.4 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.657 min Scan# 2289

Delta R.T. 0.094 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Tgt Ion:264 Resp: 133366

Ion Ratio Lower Upper

264 100

260 28.0 18.6 27.8#

265 30.7 17.5 26.3#

